DovaFR AP 310
Ammonium polyphosphate water-soluble

Product description
DovaFR AP 310 is a White granule fine powder. It is the soluble salt of ammonium phosphate which is used as fertilizers and flame retardant.

Benefits
- Due to low degree of polymerization (n<100), DovaFR AP 310 is easy soluble in water.
- DovaFR AP 310 pH value is neutral, safe and stable during production and use, good compatibleness, not to react with other flame retardant and auxiliary.
- DovaFR AP 310 is high P-N content, appropriate proportion, excellent synergistic effect as flame retardant.

Specifications

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Unit</th>
<th>Standard Request</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>White granular powder</td>
<td></td>
<td>HG/T 2770-2008</td>
</tr>
<tr>
<td>Nitrogen (as N) (%)</td>
<td>24 Min</td>
<td>HG/T 2770-2008</td>
<td></td>
</tr>
<tr>
<td>P₂O₅ (%)</td>
<td>45 Min</td>
<td>HG/T 2770-2008</td>
<td></td>
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<tr>
<td>Moisture (%)</td>
<td>0.1 Max</td>
<td>HG/T 2770-2008</td>
<td></td>
</tr>
<tr>
<td>pH value (1% aqueous solution)</td>
<td>6.8-8.4</td>
<td>HG/T 2770-2008</td>
<td></td>
</tr>
<tr>
<td>Solubility (60°C) g/100ml water</td>
<td>100 Min</td>
<td>HG/T 2770-2008</td>
<td></td>
</tr>
<tr>
<td>Polymerization degree</td>
<td>60 Max</td>
<td>HG/T 2770-2008</td>
<td></td>
</tr>
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</table>

1) Delivery specification: The product is monitored on a regular basis to ensure that it adheres to the specified values.
2) Technical data: The technical data are used solely to describe the product and are not subject to regular monitoring.

Applications
DovaFR AP 310 is an eco-friendly halogen free retardant, can be used solely or together with other materials in the flameproof treatment for textiles, papers, fibers and woods, etc. in 20%P-N flame retardant. If special treatment, can be used to prepare high-concentration flameproof liquid to 50% to meet the flameproof requirement of special production.

The specific dosage according to the requirements of the formula and the compatibility of other raw materials.

Delivery Form
White granular powder

Packaging
DovaFR AP 310 is supplied in 25 kg bags / 1.000 kg shrink-wrapped pallets.

Storage
DovaFR AP 310 is in sealed containers at room temperature in a dry and cool place. Partially emptied containers should be carefully resealed after use.
Minimum shelf life is 24months from the date of shipping when stored according to the said conditions.

Contact Us
Please contact us for safety and regulatory details or the Material Safety Data Sheet (MSDS).